

Amendments to the Specification

Please **add** the following **new** paragraph at page 1, line 3:

-- This application claims the benefit, under 35 U.S.C. § 365 of International Application PCT/EP03/12832, filed November 13, 2003, which was published in accordance with PCT Article 21(2) on May 27, 2004 in English and which claims the benefit of European patent application No. 02292825.3, filed November 13, 2002.

BACKGROUND OF THE INVENTION --

Please **add** the following **new** paragraph after the paragraph ending at page 2, line 16:

-- SUMMARY OF THE INVENTION --

Please **replace** the paragraph beginning at page 2, line 24 with the following **rewritten** paragraph:

-- The method comprises the steps of :
- receiving an outbound IPv6 packet encapsulated into an IPv4 packet,
- translating the private IPv4 source address in the IPv4 header of the outbound packet into a public IPv4 source address,
- transmitting the translated packet over the IPv4 network;
~~characterized in that it further comprises the step of: further comprising the step of:~~
~~characterized in that it further comprises the step of: further comprising the step of:~~
- storing an association of the private IPv4 address and the Interface ID value of the 6to4 source address for opposite address translation of inbound packets.--

Please replace the paragraph beginning at page 4, line 17 with the following rewritten paragraph:

-- Another object of the invention is a device for supporting a 6to4 tunneling protocol across NAT, comprising:

- a network address translation mechanism for changing the private source address of an outbound IPv4 packet encapsulating an IPv6 packet into a public source address;

~~characterized in that it further comprises~~ further comprising an application for storing the private IPv4 addresses included in the 6to4 source address of a host of the IPv6 network, for outbound packets; and for updating the 6to4 destination address of an inbound packet with a stored private IPv4 address having same Interface ID as the 6to4 destination address. --

Please add the following new paragraph after the paragraph ending at page 4, line 32:

-- BRIEF DESCRIPTION OF THE DRAWINGS --

Please add the following new paragraph after the paragraph ending at page 5, line 9:

-- DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT --

Please replace the paragraph beginning at page 6, line 28 with the following rewritten paragraph:

-- As illustrated by figure 1, according to the present embodiment, the NAT is assisted by an “Application Level Gateway” for the specific processing required for the 6to4 protocol. [.]As defined in RFC 2663, an ALG is an application-specific translation agent that allows an application on a host in one address realm to ~~connected~~ connect to its counterpart running on a host in a different realm. In the present example, the ALG is integrated into the router, along with the NAT. --